

Shamet, Stefania

From: Martin, Steven M IWR@NAO <Steven.M.Martin@usace.army.mil>
Sent: Tuesday, December 17, 2013 8:20 AM
To: Shamet, Stefania; david.kaplan@usdoj.gov
Subject: FW: Smith Farm Wetland Delineation Confirmation (UNCLASSIFIED)
Attachments: datapoints - Smith Farms - 24 Oct 2013.kmz; Smith Farms - farm field datapoints from 24 Oct 2013.pdf

Non - responsive

-----Original Message-----

From: Knepper, David A NAO
Sent: Tuesday, December 17, 2013 7:53 AM
To: Jim Cahoon
Cc: Martin, Steven M IWR@NAO; Jim Boyd (jim@boydlaw.org)
Subject: RE: Smith Farm Wetland Delineation Confirmation (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Hi Jim,

Sorry for not getting this to you sooner (see attached).

Per the NRCS hydrology tool for evaluating remote sensing data I would generally do a rainfall analysis to document precip trends prior to each available aerial photo date. Similarly, to address user cautions in the Regional Supplement for different field indicators of wetland hydrology (e.g., dry season water table), I would also review local precip data to determine whether there was unusual rainfall activity prior to our field visit. However for this project it did not appear that such analyses would clarify the wetland determination at any of the 4 datapoints so I decided to not do them.

Happy holidays,

Dave

U.S. Army Corps of Engineers
803 Front Street
Norfolk, VA 23510-1096

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david.a.knepper@usace.army.mil

-----Original Message-----

From: Jim Cahoon [mailto:jim@bay-environmental.com]

Sent: Friday, December 13, 2013 9:37 AM

To: Knepper, David A NAO

Cc: Martin, Steven M IWR@NAO; Jim Boyd (jim@boydlaw.org)

Subject: [EXTERNAL] Smith Farm Wetland Delineation Confirmation

David,

We are finalizing the mapping for the Smith Farm wetland delineation confirmation request as we now have surveyed information back. The intent is to prepare one single graphic for the property for confirmation, and as such, we have compiled our information with both Chuck Wolfe's delineation(s) and with the consent order information, and will be hoping to submit the exhibit to you by the end of next week.

Have you had a chance to transcribe the data points that we all collected during our site visit?

Thanks,

Jim Cahoon

Bay Environmental, Inc.

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE



© 2013 Google

Google Earth Pro

feet 2000
meters 700



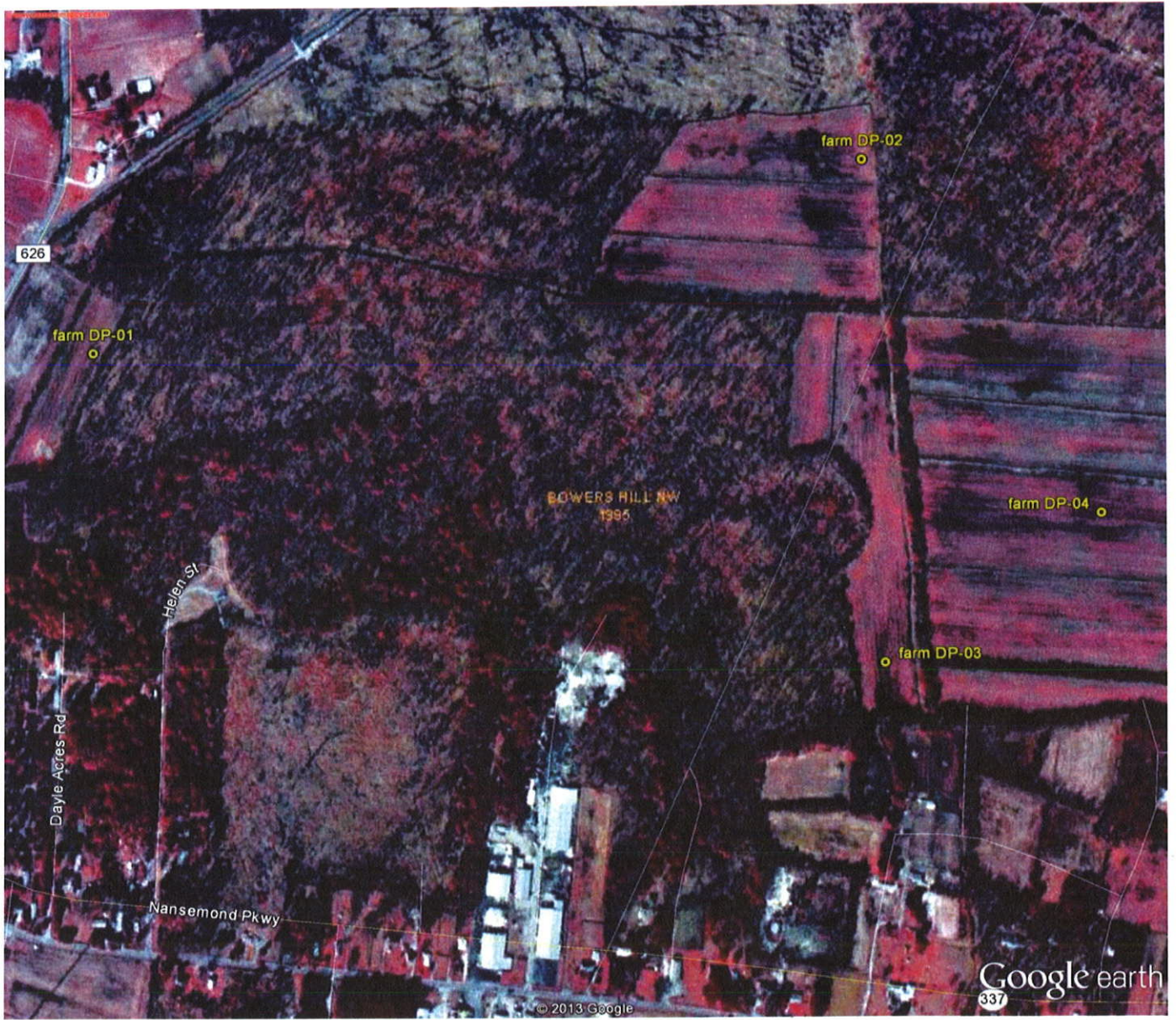
2011 color IR aerial



Google Earth Pro



2009 color IR aerial



Google Earth Pro

feet 2000
meters 700



1994 color IR aerial

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Smith Farms NAO-1998-02184 (98-R5657 and 13-V0134) City/County: Suffolk Sampling Date: 24 Oct 2013
 Applicant/Owner: Smith Farms Enterprises or Boyd & Boyd P.C. c/o Mr. James M. Boyd State: VA Sampling Point: DP-01
 Investigator(s): S. Martin & D. Knepper Section, Township, Range: N/A
 Landform (hillslope, terrace, etc.): Mineral soil flat Local relief (concave, convex, none): flat Slope (%): N/A
 Subregion (LRR or MLRA): T Lat: 36.824218° Long: -76.463927° Datum: WGS84
 Soil Map Unit Name: Weston fine sandy loam (Typic Endoaquults) NWI classification: Not mapped as wetland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☐ No ☒ (If no, explain in Remarks.)
 Are Vegetation Y, Soil Y, or Hydrology Y significantly disturbed? Are "Normal Circumstances" present? Yes ☐ No ☒
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: Plot taken along E edge of active cropland in only area that had questionable hydrology signatures on recent aerial photography. Plot taken within active cropland so vegetation manipulated (planted with soybeans) and soil disturbed (well-developed plow zone). Local onsite hydrology has been manipulated (field crowning and associated ditches) since prior to the CWA. Chapter 5 of the Regional Supplement & Atypical Situations are applicable. Per Lake Kilby data the precipitation for August was just above the 30th percentile and for September was well below the 30th percentile. October precipitation has been within the 30th to 70th percentile.	

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		
Surface Water (A1)	Aquatic Fauna (B13)	Surface Soil Cracks (B6)
High Water Table (A2)	Marl Deposits (B15) (LRR U)	Sparsely Vegetated Concave Surface (B8)
Saturation (A3)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Water Marks (B1)	Oxidized Rhizospheres along Living Roots (C3)	Moss Trim Lines (B16)
Sediment Deposits (B2)	Presence of Reduced Iron (C4)	Dry-Season Water Table (C2)
Drift Deposits (B3)	Recent Iron Reduction in Tilled Soils (C6)	Crayfish Burrows (C8)
Algal Mat or Crust (B4)	Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Iron Deposits (B5)	Other (Explain in Remarks)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)		FAC-Neutral Test (D5)
		Sphagnum moss (D8) (LRR T, U)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <u>N/A</u>	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <u>N/A</u>		
Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <u>N/A</u> (includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks: C9 is not applicable because this indicator requires on-site verification that saturation signatures seen on photos correspond to hydric soils or other evidence of a seasonal high water table. During the field visit no obvious depressions, stunted crops, or any other field indicator that would correspond to the aerial signature was observed. No listed field indicators of wetland hydrology were observed during the field visit.		

VEGETATION (Five Strata) – Use scientific names of plants.

 Sampling Point: DP-01

Tree Stratum (Plot size: <u>30-foot radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. <u>N/A</u>				Number of Dominant Species That Are OBL, FACW, or FAC: <u>7</u> (A)
2. _____				Total Number of Dominant Species Across All Strata: <u>11</u> (B)
3. _____				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>63.6</u> (A/B)
4. _____				
5. _____				
6. _____				
<u>0</u> = Total Cover 50% of total cover: _____ 20% of total cover: _____				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: <u>0</u> (A) <u>0</u> (B) Prevalence Index = B/A = <u>0</u>
Sapling Stratum (Plot size: <u>30-foot radius</u>)				Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹ Problematic Hydrophytic Vegetation ¹ (Explain) _____ ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>N/A</u>				
2. _____				
3. _____				
4. _____				
Shrub Stratum (Plot size: <u>30-foot radius</u>)				Definitions of Five Vegetation Strata: Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.
1. <u>N/A</u>				
2. _____				
3. _____				
4. _____				
Herb Stratum (Plot size: <u>30-foot radius</u>)				Chapter 5 of the Regional Supplement states "The goal is to determine the plant community that would occupy the site under normal circumstances, if the vegetation were not cleared or manipulated." It lists 5 possible ways to do this: 1) examine volunteer species, 2) look for undisturbed reference, 3) check NRCS reports, 4) examine pre-farming arials, etc. & 5) cease cropping and see what plant community develops. Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1. <u>Toxicodendron radicans</u>	<1	Yes	FAC	
2. <u>Acalypha gracilens</u>	<1	Yes	FAC	
3. <u>Chasmanthium laxum</u>	<1	Yes	FACW	
4. <u>Juncus secundus</u>	<1	Yes	FAC	
5. <u>Chamaecrista fasciculata</u>	<1	Yes	FACU	
6. <u>Smilax rotundifolia</u>	<1	Yes	FAC	
7. <u>Amaranthus hybridus</u>	<1	Yes	UPL	
8. <u>Diodia virginiana</u>	<1	Yes	FACW	
9. <u>Phyllanthus carolinensis</u>	<1	Yes	FAC	
10. <u>Eupatorium capillifolium</u>	<1	Yes	FACU	
11. <u>Eurybia compacta?</u>	<1	Yes	FACU	
<u>11</u> = Total Cover 50% of total cover: <u><5.5</u> 20% of total cover: <u><2.2</u>				
Woody Vine Stratum (Plot size: <u>30-foot radius</u>)				
1. <u>N/A</u>				
2. _____				
3. _____				
4. _____				
5. _____				
<u>0</u> = Total Cover 50% of total cover: _____ 20% of total cover: _____				
Remarks: (If observed, list morphological adaptations below). Plot taken within active cropland so no T, SAP, SHR or WV strata present. Per Chapter 5 of the Regional Supplement, the vegetation factor will be evaluated based on the volunteer (i.e., not planted) species that were observed in the plot. The sample plot was planted in soybean (Glycine max) which at the time of the field visit comprised ~80% of the veg cover. Unidentified species are assumed to have an UPL field indicator status.				

Sampling Point: DP-01

Atlantic and Gulf Coastal Plain Region – Version 2.0

Smith Farms

NAO-1998-02184 (98-R5657 and 13-V0134)

(Smith Farm 98-R5657)

Field visit on 24 Oct 2013



Photo 1: Datapoint DP-01 looking W from edge of soybean field toward Shoulders Hill Road in Suffolk, VA. Just north of wettest signature on available aerials, but no obvious wetter-looking area was evident during the field visit.



Photo 2: Same as Photo 1. No observed field indicators of wetland hydrology nor obvious difference in crop vigor.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Smith Farms NAO-1998-02184 (98-R5657 and 13-V0134) City/County: Suffolk Sampling Date: 24 Oct 2013
 Applicant/Owner: Smith Farms Enterprises or Boyd & Boyd P.C. c/o Mr. James M. Boyd State: VA Sampling Point: DP-02
 Investigator(s): S. Martin & D. Knepper Section, Township, Range: N/A
 Landform (hillslope, terrace, etc.): Mineral soil flat Local relief (concave, convex, none): flat Slope (%): N/A
 Subregion (LRR or MLRA): T Lat: 36.826522° Long: -76.452277° Datum: WGS84
 Soil Map Unit Name: Torhunta loam (Typic Humaquepts) NWI classification: E of mapped Pf

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☐ No ☒ (If no, explain in Remarks.)
 Are Vegetation Y, Soil Y, or Hydrology Y significantly disturbed? Are "Normal Circumstances" present? Yes ☐ No ☒
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Remarks: Plot taken along E edge of active cropland in vicinity of questionable hydrology signatures on recent aerial photography - chose the lowest looking area in the immediate area although aerial signatures look stronger to the W. Plot taken within active cropland so vegetation manipulated (planted with soybeans) and soil disturbed (well-developed plow zone). Local onsite hydrology has been manipulated (field crowning and associated ditches) since prior to the CWA. Chapter 5 of the Regional Supplement & Atypical Situations are applicable. Per Lake Kilby data the precipitation for August was just above the 30th percentile and for September was well below the 30th percentile. October precipitation has been within the 30th to 70th percentile.	

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		
Surface Water (A1)	Aquatic Fauna (B13)	Surface Soil Cracks (B6)
High Water Table (A2)	Marl Deposits (B15) (LRR U)	Sparsely Vegetated Concave Surface (B8)
Saturation (A3)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Water Marks (B1)	Oxidized Rhizospheres along Living Roots (C3)	Moss Trim Lines (B16)
Sediment Deposits (B2)	Presence of Reduced Iron (C4)	✓ Dry-Season Water Table (C2)
Drift Deposits (B3)	Recent Iron Reduction in Tilled Soils (C6)	Crabfish Burrows (C8)
Algal Mat or Crust (B4)	Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Iron Deposits (B5)	Other (Explain in Remarks)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)		✓ FAC-Neutral Test (D5)
		Sphagnum moss (D8) (LRR T, U)
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <u>N/A</u>	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>20</u>		
Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>>12</u> (includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks: C9 is not applicable because this indicator requires on-site verification that saturation signatures seen on photos correspond to hydric soils or other evidence of a seasonal high water table. During the field visit no obvious depressions, stunted crops, or any other field indicator that would correspond to the aerial signature was observed. Recent rainfall records should be evaluated to see if C2 is clearly met. D5 is met if non-dominants are considered. Considering the above and how sparse the non-planted, volunteer weedy species were it is hard to consider this a strong field indicator of wetland hydrology.		

VEGETATION (Five Strata) – Use scientific names of plants.

 Sampling Point: DP-02

Tree Stratum (Plot size: <u>30-foot radius</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>N/A</u>				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
0 = Total Cover				
50% of total cover: _____ 20% of total cover: _____				
Sapling Stratum (Plot size: <u>30-foot radius</u>)				
1. <u>N/A</u>				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
0 = Total Cover				
50% of total cover: _____ 20% of total cover: _____				
Shrub Stratum (Plot size: <u>30-foot radius</u>)				
1. <u>N/A</u>				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
0 = Total Cover				
50% of total cover: _____ 20% of total cover: _____				
Herb Stratum (Plot size: <u>30-foot radius</u>)				
1. <u>Panicum capillare</u>	<5	Yes	FAC	
2. <u>Ranunculus sp.</u>	<5	Yes	--	
3. <u>Commelina diffusa</u>	2		FACW	
4. <u>Hypericum mutilum</u>	2		FACW	
5. <u>Paspalum laeve</u>	1		FACW	
6. <u>Setaria parviflora</u>	<1		FACW	
7. <u>Sida spinosa</u>	<1		UPL	
8. _____				
9. _____				
10. _____				
11. _____				
17 = Total Cover				
50% of total cover: <8.5 20% of total cover: <3.4				
Woody Vine Stratum (Plot size: <u>30-foot radius</u>)				
1. <u>N/A</u>				
2. _____				
3. _____				
4. _____				
5. _____				
0 = Total Cover				
50% of total cover: _____ 20% of total cover: _____				
Remarks: (If observed, list morphological adaptations below).				
Plot taken within active cropland so no T, SAP, SHR or WV strata present. Per Chapter 5 of the Regional Supplement, the vegetation factor will be evaluated based on the volunteer (i.e., not planted) species that were observed in the plot. The sample plot was planted in soybean (Glycine max) which at the time of the field visit comprised ~85% of the veg cover. Unidentified species are assumed to have an UPL field indicator status.				

Dominance Test worksheet:
 Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
 Total Number of Dominant Species Across All Strata: 1 (B)
 Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u><6</u>	x 2 = <u><12</u>
FAC species <u><5</u>	x 3 = <u><15</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u><6</u>	x 5 = <u><30</u>
Column Totals: <u>17</u> (A)	<u>57</u> (B)

 Prevalence Index = B/A = 3.35

Hydrophytic Vegetation Indicators:
 1 - Rapid Test for Hydrophytic Vegetation
 2 - Dominance Test is >50%
 3 - Prevalence Index is ≤3.0¹
 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:
Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
Woody vine – All woody vines, regardless of height.

Chapter 5 of the Regional Supplement states "The goal is to determine the plant community that would occupy the site under normal circumstances, if the vegetation were not cleared or manipulated." It lists 5 possible ways to do this: 1) examine volunteer species, 2) look for undisturbed reference, 3) check NRCS reports, 4) examine pre-farming arials, etc. & 5) cease cropping and see what plant community develops.

Hydrophytic Vegetation Present? Yes _____ No ✓

SOIL

Sampling Point: DP-02

[illegible]

Smith Farms
NAO-1998-02184 (98-R5657 and 13-V0134)
(Smith Farm 98-R5657)
Field visit on 24 Oct 2013



Photo 3: Looking S at DP-02. Plot was taken in wettest looking area in the immediate vicinity, but per GPS location it was east of wettest aerial signature in this field.



Photo 4: Same as Photo 3, looking at soil profile at DP-02.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Smith Farms NAO-1998-02184 (98-R5657 and 13-V0134) City/County: Chesapeake Sampling Date: 24 Oct 2013
 Applicant/Owner: Smith Farms Enterprises or Boyd & Boyd P.C. c/o Mr. James M. Boyd State: VA Sampling Point: DP-03
 Investigator(s): S. Martin & D. Knepper Section, Township, Range: N/A
 Landform (hillslope, terrace, etc.): Mineral soil flat Local relief (concave, convex, none): discernable depression Slope (%): 0 to 1
 Subregion (LRR or MLRA): T Lat: 36.820409° Long: -76.451964° Datum: WGS84
 Soil Map Unit Name: Tomotley-Deloss complex, 0 to 1 percent slopes (Typic Endoaquults) NWI classification: Not mapped as wetland
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☐ No ☒ (If no, explain in Remarks.)
 Are Vegetation Y, Soil Y, or Hydrology Y significantly disturbed? Are "Normal Circumstances" present? Yes ☐ No ☒
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Remarks: Plot taken along S edge of cropland in area that had consistent, strong hydrology signatures on available recent aerial photography. Plot taken within an area that appeared to not have been planted but upslope areas planted to soybeans. Soil disturbed (plow zone), looks like it was recently tilled. Field crowning not evident in this portion of the field. Chapter 5 of the Regional Supplement & Atypical Situations are applicable. Per Lake Kilby data the precipitation for August was just above the 30th percentile and for September was well below the 30th percentile. October precipitation has been within the 30th to 70th percentile.	

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) <input checked="" type="checkbox"/> Surface Water (A1) <input checked="" type="checkbox"/> Aquatic Fauna (B13) <input checked="" type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Marl Deposits (B15) (LRR U) <input checked="" type="checkbox"/> Saturation (A3) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) Water Marks (B1) <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) Sediment Deposits (B2) <input type="checkbox"/> Presence of Reduced Iron (C4) Drift Deposits (B3) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) <input type="checkbox"/> Thin Muck Surface (C7) Iron Deposits (B5) <input type="checkbox"/> Other (Explain in Remarks) <input checked="" type="checkbox"/> Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)		Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) <input checked="" type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input checked="" type="checkbox"/> Geomorphic Position (D2) Shallow Aquitard (D3) <input checked="" type="checkbox"/> FAC-Neutral Test (D5) Sphagnum moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>3 to 4</u> Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>0 (surface)</u> Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>0 (surface)</u> (includes capillary fringe)		Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: B7 & C9 are met because on-site field visit verified that saturation signatures seen on photos corresponded to a discernable depression, hydric soils, widespread ponding, & lack of crops (not planted because too wet?). B13 - tadpoles were very common in ponded areas during the field visit. Listed field indicators of wetland hydrology were observed during the field visit.		

VEGETATION (Five Strata) – Use scientific names of plants.

 Sampling Point: DP-03

Tree Stratum (Plot size: 30-foot radius)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:																
1. <u>N/A</u>				Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)																
2. _____				Total Number of Dominant Species Across All Strata: <u>2</u> (B)																
3. _____				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)																
4. _____																				
5. _____																				
6. _____																				
0 = Total Cover																				
50% of total cover: _____ 20% of total cover: _____																				
Sapling Stratum (Plot size: 30-foot radius)																				
1. <u>N/A</u>				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species _____</td> <td>x 1 = _____</td> </tr> <tr> <td>FACW species _____</td> <td>x 2 = _____</td> </tr> <tr> <td>FAC species _____</td> <td>x 3 = _____</td> </tr> <tr> <td>FACU species _____</td> <td>x 4 = _____</td> </tr> <tr> <td>UPL species _____</td> <td>x 5 = _____</td> </tr> <tr> <td>Column Totals: <u>0</u> (A)</td> <td><u>0</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>0</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species _____	x 1 = _____	FACW species _____	x 2 = _____	FAC species _____	x 3 = _____	FACU species _____	x 4 = _____	UPL species _____	x 5 = _____	Column Totals: <u>0</u> (A)	<u>0</u> (B)	Prevalence Index = B/A = <u>0</u>	
Total % Cover of:	Multiply by:																			
OBL species _____	x 1 = _____																			
FACW species _____	x 2 = _____																			
FAC species _____	x 3 = _____																			
FACU species _____	x 4 = _____																			
UPL species _____	x 5 = _____																			
Column Totals: <u>0</u> (A)	<u>0</u> (B)																			
Prevalence Index = B/A = <u>0</u>																				
2. _____																				
3. _____																				
4. _____																				
5. _____																				
6. _____																				
0 = Total Cover																				
50% of total cover: _____ 20% of total cover: _____																				
Shrub Stratum (Plot size: 30-foot radius)																				
1. <u>N/A</u>				Hydrophytic Vegetation Indicators: ___ 1 - Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is >50% ___ 3 - Prevalence Index is ≤3.0 ¹ ___ Problematic Hydrophytic Vegetation ¹ (Explain)																
2. _____																				
3. _____																				
4. _____																				
5. _____																				
6. _____																				
0 = Total Cover				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
50% of total cover: _____ 20% of total cover: _____																				
Herb Stratum (Plot size: 30-foot radius)																				
1. <u>Panicum capillare</u>	70	Yes	FAC	Definitions of Five Vegetation Strata: Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.																
2. <u>Setaria parviflora</u>	35	Yes	FACW																	
3. <u>Ranunculus sp.</u>	30		--																	
4. <u>Ludwigia palustris</u>	6		OBL																	
5. <u>Cyperus flavicomus</u>	3		FACW																	
6. <u>Diodia virginiana</u>	3		FACW																	
7. <u>Juncus acuminatus</u>	<3		OBL																	
8. <u>Echinochloa muricata v. muricata</u>	1		FACW																	
9. <u>Commelina diffusa</u>	1		FACW																	
10. <u>Eleocharis obtusa</u>	<1		OBL																	
11. <u>Ammannia latifolia</u>	<1		OBL																	
154 = Total Cover																				
50% of total cover: <u>77</u> 20% of total cover: <u>30.8</u>																				
Woody Vine Stratum (Plot size: 30-foot radius)																				
1. <u>N/A</u>				Chapter 5 of the Regional Supplement states "The goal is to determine the plant community that would occupy the site under normal circumstances, if the vegetation were not cleared or manipulated." It lists 5 possible ways to do this: 1) examine volunteer species, 2) look for undisturbed reference, 3) check NRCS reports, 4) examine pre-farming aerials, etc. & 5) cease cropping and see what plant community develops.																
2. _____																				
3. _____																				
4. _____																				
5. _____																				
6. _____																				
0 = Total Cover				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																
50% of total cover: _____ 20% of total cover: _____																				

Remarks: (If observed, list morphological adaptations below).
 Plot taken within active cropland so no T, SAP, SHR or WV strata present. Per Chapter 5 of the Regional Supplement, the vegetation factor will be evaluated based on the volunteer (i.e., not planted) species that were observed in the plot. The majority of this farm field was planted in soybean (Glycine max), but not the area where the datapoint was taken (representative of a ~0.5-acre triangle). Unidentified species are assumed to have an UPL field indicator status.

SOIL

Sampling Point: DP-03

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 to 6	10YR3/1-3/2	100	N/A	N/A	N/A	N/A	sl	Ap
6 to 12	10YR2/1	50	N/A	N/A	N/A	N/A	scl	B
	10YR4/1	50	N/A	N/A	N/A	N/A	scl	B
12 to 18+								not recorded

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :	
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Polyvalue Below Surface (S8) (LRR S, T, U)	<input type="checkbox"/> 1 cm Muck (A9) (LRR O)	
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Thin Dark Surface (S9) (LRR S, T, U)	<input type="checkbox"/> 2 cm Muck (A10) (LRR S)	
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR O)	<input type="checkbox"/> Reduced Vertic (F18) (outside MLRA 150A,B)	
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Piedmont Floodplain Soils (F19) (LRR P, S, T)	
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Depleted Matrix (F3)	<input type="checkbox"/> Anomalous Bright Loamy Soils (F20)	
<input type="checkbox"/> Organic Bodies (A6) (LRR P, T, U)	<input type="checkbox"/> Redox Dark Surface (F6)	<input type="checkbox"/> (MLRA 153B)	
<input type="checkbox"/> 5 cm Mucky Mineral (A7) (LRR P, T, U)	<input type="checkbox"/> Depleted Dark Surface (F7)	<input type="checkbox"/> Red Parent Material (TF2)	
<input type="checkbox"/> Muck Presence (A8) (LRR U)	<input type="checkbox"/> Redox Depressions (F8)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)	
<input type="checkbox"/> 1 cm Muck (A9) (LRR P, T)	<input type="checkbox"/> Marl (F10) (LRR U)	<input type="checkbox"/> Other (Explain in Remarks)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Ochric (F11) (MLRA 151)		
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Iron-Manganese Masses (F12) (LRR O, P, T)		
<input type="checkbox"/> Coast Prairie Redox (A16) (MLRA 150A) <input checked="" type="checkbox"/>	<input type="checkbox"/> Umbric Surface (F13) (LRR P, T, U)		
<input type="checkbox"/> Sandy Mucky Mineral (S1) (LRR O, S)	<input type="checkbox"/> Delta Ochric (F17) (MLRA 151)		
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Reduced Vertic (F18) (MLRA 150A, 150B)		
<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149A)		
<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)		
<input type="checkbox"/> Dark Surface (S7) (LRR P, S, T, U)			

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: <u>N/A</u> Depth (inches): <u>N/A</u>	Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
---	---

Remarks:

All agreed that these soils are hydric (close to meeting F13, did not look close enough for possible redox in dark matrix to see if F6 met). Less-developed plow zone. No oxidized rhizospheres observed, but amount of organics in Ap could mask their presence.

Farm 3627, Tract 4554, Fields 1-10 determined by Greg Hammer, NRCS to be PC-cropland on 03 July 2013.

Smith Farms
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(Smith Farm 98-R5657)
Field visit on 24 Oct 2013



Photo 5: Datapoint DP-03 looking N from field edge at depression area with widespread ponding, strongly hydrophytic plant community, etc. This portion of the farm field was either not planted or the soybeans did not germinate.



Photo 6: Same as Photo 5



Photo 7: Looking at DP-03. Note ponding and dense herbaceous cover.



Photo 8: Veg within DP-03: *Setaria parviflora*, *Ranunculus* sp., and others.



Photo 9: Same as Photo 8, but with more *Cyperus flavicomus*, *Ludwigia palustris* and others.



Photo 10: Tadpoles were very common throughout the ponded area in the southern portion of the field. Gives idea of duration.



Photo 12: Looking N along east edge of ponded area. Planting edge looks straight, suggesting ponded area was intentionally left unplanted.



Photo 11: Looking SW at unplanted, wet field depression.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Smith Farms NAO-1998-02184 (98-R5657 and 13-V0134) City/County: Chesapeake / Suffolk Sampling Date: 24 Oct 2013
 Applicant/Owner: Smith Farms Enterprises or Boyd & Boyd P.C. c/o Mr. James M. Boyd State: VA Sampling Point: DP-04
 Investigator(s): S. Martin & D. Knepper Section, Township, Range: N/A
 Landform (hillslope, terrace, etc.): Mineral soil flat Local relief (concave, convex, none): shallow depression to flat Slope (%): 0 to 1
 Subregion (LRR or MLRA): T Lat: 36.822223° Long: -76.448710° Datum: WGS84
 Soil Map Unit Name: Tomotley-Deloss complex, 0 to 1 percent slopes (Typic Endoaquults) NWI classification: Not mapped as wetland
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☐ No ☒ (If no, explain in Remarks.)
 Are Vegetation Y, Soil Y, or Hydrology Y significantly disturbed? Are "Normal Circumstances" present? Yes ☐ No ☒
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: Plot taken in center of active cropland in only area that had questionable hydrology signatures on recent aerial photography. Plot taken within active cropland so vegetation manipulated (planted with soybeans) and soil disturbed (well-developed plow zone). Local onsite hydrology has been manipulated (field crowning and associated ditches) since prior to the CWA. Chapter 5 of the Regional Supplement & Atypical Situations are applicable. Per Lake Kilby data the precipitation for August was just above the 30th percentile and for September was well below the 30th percentile. October precipitation has been within the 30th to 70th percentile.	

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		
Surface Water (A1)	Aquatic Fauna (B13)	Surface Soil Cracks (B6)
High Water Table (A2)	Marl Deposits (B15) (LRR U)	Sparsely Vegetated Concave Surface (B8)
Saturation (A3)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Water Marks (B1)	Oxidized Rhizospheres along Living Roots (C3)	Moss Trim Lines (B16)
Sediment Deposits (B2)	Presence of Reduced Iron (C4)	Dry-Season Water Table (C2)
Drift Deposits (B3)	Recent Iron Reduction in Tilled Soils (C6)	Crayfish Burrows (C8)
Algal Mat or Crust (B4)	Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Iron Deposits (B5)	Other (Explain in Remarks)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)		FAC-Neutral Test (D5)
		Sphagnum moss (D8) (LRR T, U)
Field Observations:		Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <u>N/A</u> Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <u>N/A</u> Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <u>N/A</u> (includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks: C9 may be applicable because this indicator requires on-site verification that saturation signatures seen on photos correspond to hydric soils or other evidence of a seasonal high water table. During the field visit an extremely shallow depression was observed and the soybeans in this area were very slightly stunted in comparison to adjacent plantings (so D2 considered applicable). Before definitively checking C9 as present, I would have to review additional aerial photography and associated rainfall trends per NRCS hydrology tool for evaluating remote sensing data. No other listed field indicators of wetland hydrology were observed during the field visit.		

VEGETATION (Five Strata) – Use scientific names of plants.

 Sampling Point: DP-04

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum (Plot size: <u>30-foot radius</u>)				
1. <u>N/A</u>				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
	<u>0</u>	= Total Cover		
50% of total cover: _____ 20% of total cover: _____				
Sapling Stratum (Plot size: <u>30-foot radius</u>)				
1. <u>N/A</u>				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
	<u>0</u>	= Total Cover		
50% of total cover: _____ 20% of total cover: _____				
Shrub Stratum (Plot size: <u>30-foot radius</u>)				
1. <u>N/A</u>				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
	<u>0</u>	= Total Cover		
50% of total cover: _____ 20% of total cover: _____				
Herb Stratum (Plot size: <u>30-foot radius</u>)				
1. <u>Ranunculus sp.</u>	<u><1</u>	<u>Yes</u>	<u>-- (UPL)</u>	
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
	<u>1</u>	= Total Cover		
50% of total cover: _____ 20% of total cover: _____				
Woody Vine Stratum (Plot size: <u>30-foot radius</u>)				
1. <u>N/A</u>				
2. _____				
3. _____				
4. _____				
5. _____				
	<u>0</u>	= Total Cover		
50% of total cover: _____ 20% of total cover: _____				
Dominance Test worksheet:				
Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)				
Total Number of Dominant Species Across All Strata: <u>1</u> (B)				
Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)				
Prevalence Index worksheet:				
Total % Cover of:		Multiply by:		
OBL species	<u>0</u>	x 1 =		
FACW species	<u>0</u>	x 2 =		
FAC species	<u>0</u>	x 3 =		
FACU species	<u>0</u>	x 4 =		
UPL species	<u>0</u>	x 5 =		
Column Totals:	<u>0</u>	(A)	<u>0</u>	(B)
Prevalence Index = B/A = <u>0</u>				
Hydrophytic Vegetation Indicators:				
<u>1</u> - Rapid Test for Hydrophytic Vegetation				
<u>2</u> - Dominance Test is >50%				
<u>3</u> - Prevalence Index is ≤3.0 ¹				
Problematic Hydrophytic Vegetation ¹ (Explain)				
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
Definitions of Five Vegetation Strata:				
Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).				
Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.				
Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.				
Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.				
Woody vine – All woody vines, regardless of height.				
Chapter 5 of the Regional Supplement states "The goal is to determine the plant community that would occupy the site under normal circumstances, if the vegetation were not cleared or manipulated." It lists 5 possible ways to do this: 1) examine volunteer species, 2) look for undisturbed reference, 3) check NRCS reports, 4) examine pre-farming aerials, etc. & 5) cease cropping and see what plant community develops.				
Hydrophytic Vegetation Present? Yes _____ No <u>✓</u>				
Remarks: (If observed, list morphological adaptations below).				
Plot taken within active cropland so no T, SAP, SHR or WV strata present. Per Chapter 5 of the Regional Supplement, the vegetation factor will be evaluated based on the volunteer (i.e., not planted) species that were observed in the plot. The sample plot was planted in soybean (Glycine max) which at the time of the field visit comprised ~85% of the veg cover. Unidentified species are assumed to have an UPL field indicator status. Other than the planted soybeans, other vegetation is extremely sparse.				

SOIL

Sampling Point: DP-04

[illegible]

Smith Farms
NAO-1998-02184 (98-R5657 and 13-V0134)
(Smith Farm 98-R5657)
Field visit on 24 Oct 2013



Photo 13: Looking W at DP-04 within active soybean field. Note there is very little veg other than planted soybeans. Very slight depression and associated slightly stunted soybeans.



Photo 14: Same as above, soil profile at DP-04.

Shamet, Stefania

From: Kaplan, David (ENRD) <David.Kaplan@usdoj.gov>
Sent: Monday, December 23, 2013 3:27 PM
To: Shamet, Stefania
Subject: Smith Farm -- Conservation Easement Notice
Attachments: 20131220160236309.pdf

Hi Stef --

Non-responsive Non-responsive

See the email below from Jim Boyd, transmitting his notice that Smith Farm placed the required conservation easement on the easements. I haven't reviewed the attachment yet.

David

From: Jim Boyd [mailto:jim@boydlaw.org]
Sent: Saturday, December 21, 2013 3:10 PM
To: Kaplan, David (ENRD)
Cc: jim@boydlaw.org; linda@boydlaw.org
Subject: Fwd: Message from "RNP002673389A70"

Dear David,

I have sent to you and Steph, as of yesterday, via overnight delivery, notice of Smith Farm Enterprises, LLC's having fulfilled its obligation under the Consent Decree to effect the placement of conservation easements over the specified acreages on the SmithFarm, Johnson and Kirk tracts. This e-mail is simply to provide you an electronic copy of that notice.

I am traveling and do not have Steph's e-mail address with me. I would appreciate your forwarding this e-mail to her and your acknowledgment of your receipt of the same from me, by your reply.

Thanks and Merry Christmas,

Jimmy

Linda, please copy David's reply to our file on receipt, thanks!

Sent from my iPad

Begin forwarded message:

From: copier@boyd.com
Date: December 20, 2013, 4:02:36 PM EST
To: "Jim" <jim@boydlaw.org>
Subject: Message from "RNP002673389A70"

This E-mail was sent from "RNP002673389A70" (Aficio MP C2551).

Scan Date: 12.20.2013 16:02:36 (-0500)

Queries to: copier@boyd.com

SMITH FARM ENTERPRISES, LLC

One Commercial Place
1405 Bank of America Center
Norfolk, Virginia 23510

December 20, 2013

Via Federal Express and E-mail
Tracking Number #7970 7668 4706

Stefania D. Shamet, Assistant Regional Counsel
Water and General Law Branch
Office of Regional Counsel
United States Environmental Protection Agency
Region III
MC 3RC20
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

Via Federal Express and E-mail
Tracking Number #7974 7675 5275

Associate Director, Office of Environmental Programs
Environmental Assessment and Innovation Division
United States Environmental Protection Agency
Region III
MC 3EA40
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

Via Regular Mail and E-mail

David J. Kaplan
Trial Attorney
Environmental Defense Section
Environmental and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Washington, D.C. 20044-7611

Re: Notice of Completed Tasks Pursuant to Consent Decree between United States of
America and Smith Farm Enterprises, LLC

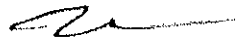
Dear Mrs. Shamet, Associate Director and Mr. Kaplan:

Please receive this Notice, pursuant to Section IV, "Specific Provisions" of the above referenced Consent Decree, of the completion of the following tasks by Smith Farm Enterprises, LLC, as required pursuant to said Consent Decree:

1. Section IV "Specific Provisions, Preservation Areas", paragraph 19 (a) a conservation easement on 15 acres on the Smith Farms site on November 20, 2013. 19(b) a conservation easement on 80 acres north of the Smith Farm site known as the "Johnson Tract" was effected on November 13, 2013. 19 (c) a conservation easement upon 235 known as the "Kirk Site" was effected on September 27, 2013.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Most sincerely yours,



James M. Boyd, Manager
Smith Farm Enterprises, LLC

JMB/lcp